
WHY MAKE THINGS
COMPLECATED?
HELIA®
HELMED LINE IMMUNOASSAY ANALYZER
HELIA
AESKU.GROUP
WE TAKE CARE OF YOUR HEALTH

HELIA® – HELMED LINE IMMUNOASSAY ANALYZER

HELIA® is an automated analyzer for line immunoassays. The **HELIA**® system is able to perform all immunoblot processing steps, and due to an integrated camera module, it is able to read and report immunoblot results. The **HELMED**® processor architecture, and the **HELIA**® system unites proven lab automation with innovative immunoblot processing and reading technology. **HELIA**® was developed to simplify and automate immunoblot testing with a focus on standardization, minimal footprint and easy implementation. **HELIA**® includes a pre-installed and configured space-saving All-in-one PC.

AESKU develops, designs and produces the* HELIA® *system and all dedicated reagents, offering complete control of the entire product life cycle.

Walk away
Total immunoblot automation from primary sample tube to result interpretation.
The **HELIA**® system offers a complete walk-away solution.

Proven reliability
The **HELIA**® uses the **HELMED**® hardware-architecture, with more than 800 installed systems.

High capacity
- Up to 9 different ***AESKUBLOTS***® tests/lots per run
- 18 reagent positions plus 2 system liquids
- 5 trays each with 8 ***AESKUBLOTS***® strips, up to 40 strips in total
- 120 tests per square meter

High resolution
Camera with a 5 megapixel resolution CMOS color sensor.

Traceability
Complete tracking of entire immunoblot procedure.

Sample barcode
Barcode Scanner for automatic sample detection and identification.

User friendly software
HELIA® device software offers a sleek interface with a comprehensive workflow management suite and intuitive customization.

Level detection
All conjugates, substrates, samples and sample buffers are checked before pipetting and all errors are logged.

Faster
The multiplex technology yields up to 1600 results in 3.5 hours.

LIS connection with **HERA** lab software and/or LIS.

Compact footprint
• Width 65 cm • Height 57 cm • Depth 75 cm • Weight 31.5 kg

Additional features
• Minimal footprint • No consumables • Low sample dead volume (< 50 µl)

NEW HELIA® DEVICE SOFTWARE*

The new **HELIA**® software allows to run a complete ANA-17 Pro in only 3.5 hours.

The new software is safer and more reliable than the previous versions:

- Safer because we were able to improve the sample detection.
- More reliable because we could optimize the strip detection and the image evaluation of the strip blots at the same time.

The operation has also become much easier and more comfortable by combining the result processing in one menu item. Also the quantity of the results could be increased by the improvements mentioned above, especially since we have extended the portfolio of strip tests by food intolerance and allergies.

Maintenance and repairs have also been simplified for both the user and our technicians. A click on the button "Support Request File" creates a detailed support file from which our support team can obtain all necessary information and thus provide fast and adequate help.

**available outside US only*

Expanded Product Folio

HELIA® *TECHNICAL SPECIFICATIONS*

Work mode
Batch

Automates
Blot processing and image capturing

LIS connectivity
Yes

Barcode recognition of
Sample

Camera
5 mp

Number of samples
40

Sample volume
1–300 µl

Test panels
Up to 9 panels per run

Sample probe
Stainless steel

Liquid system
2 syringes, 2 peristaltic pumps

Liquid detection
Yes, conductivity

Max. reagent volume
2 ml

System liquid bottle(s)
2

Waste bottle
2 L

Reagent positions
18

Blot processing software
Open

Imaging
Closed, only available for ***AESKUBLOTS***®

Number of tests
7 autoimmune, 2 serology, 7 allergy, 7 food intolerance

Image capture
3 seconds per tray, using wet strips

Power consumption
75 W

PC
External PC included

PRODUCT ORDERING REFERENCES	***Description***
HELIA® Automated BLOT System **REF.LIA-1000**	Blot Immunoassay Analyzer with All-in-one PC included

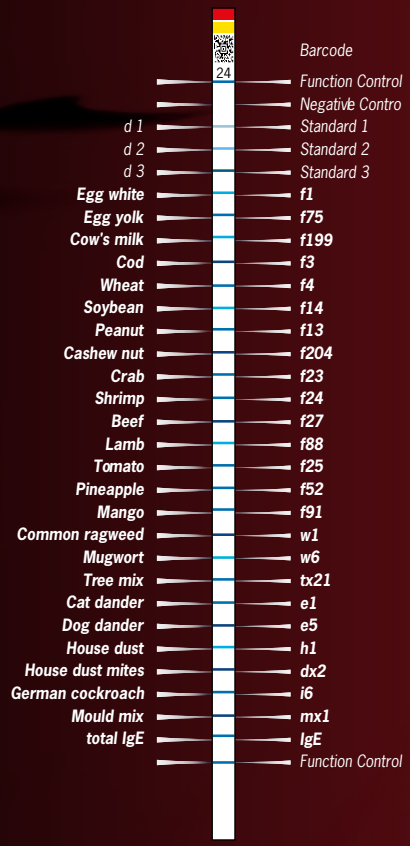
AESKUBLOTS® PRODUCT PANEL

Test kits reagents validated and optimized for automation with **HELIA**® & **HELMED**® BLOT. Additional profiles under development.

AESKUBLOTS® Allergy ONE*

Format: 24 tests/kit
Conjugate: anti-human IgE
Color-coded test strips: red/yellow
2 functional controls, 3 standards, negative control and total IgE

Immunoblot for quantitative detection of allergen-specific IgE antibodies against allergens/allergen mixtures and total IgE in human plasma or serum.



AESKUBLOTS® Allergy ONE is a tool to identify the amount of total IgE and specific IgE concentrations in the serum/plasma. Knowing the IgE levels for different substances will support the diagnosis of an allergy. IgE levels are provided in rast classes and kU/l.

*exemplarily

AESKUBLOTS® Autoimmunity

ANA-17 Pro	**REF 4001**
ANA-17 comp	**REF 4008**
Vasculitis Pro	**REF 4002**
Myositis Pro	**REF 4003**
Liver Pro	**REF 4004**
Gastro Pro	**REF 4005**

AESKUBLOTS® Infectious Serology

Borrelia-G	**REF 4006**
Borrelia-M	**REF 4007**

AESKUBLOTS® Food Intolerance

Food Intolerance ONE	**REF 431401**
Food Intolerance TWO	**REF 431402**
Food Intolerance THREE	**REF 431403**
Food Intolerance FOUR	**REF 431404**
Food Intolerance Five	**REF 431405**
Food Intolerance Six	**REF 431406**
Food Intolerance SEVEN	**REF 431407**

AESKUBLOTS® Allergy

Allergy ONE	**REF 421001**
Allergy TWO	**REF 421002**
Allergy THREE	**REF 421003**
Allergy FOUR	**REF 421004**
Allergy FIVE	**REF 421005**
Allergy SIX	**REF 421006**
Allergy SEVEN	**REF 421407**
Allergy EIGHT	**REF 421408**
Allergy NINE	**REF 421009**
Allergy TEN	**REF 421010**
Allergy ELEVEN	**REF 421411**
Allergy TWELVE	**REF 421412**
Allergy THIRTEEN	**REF 421413**

AESQC®

Improve your analytical performance with **AES**QC® multiparametric autoimmune controls now validated asquality controls for ***AESKUBLOTS***®.

AESQC® Pool 1

REF AESQCP1
- SS-A 60 kDa
- SS-A 52 kDa
- SS-B
- Jo-1
- AMA

Volume: 2x 500µl

AESQC® Pool 4

REF AESQCP4
- TPO
- TG
- MPO
- Glia IgA and IgG
- PR3
- GBM

Volume: 2x 500µl

AESQC® Pool 6

REF AESQCP6
- Borrelia IgG-VIse

Volume: 1x 200µl

AESQC® Pool 7

REF AESQCP7
- Borrelia IgM-OspC

Volume: 1x 200µl

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